



Memorandum

MONTEREY REGIONAL WASTE MANAGEMENT DISTRICT

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Reviewed by: [Signature] Date: 10/16/2020
General Manager

DATE: October 16, 2020
TO: General Manager
FROM: Senior Engineer
SUBJECT: MRF Tip Floor Concrete and Asphalt Repair

RECOMMENDATION: That the Board authorize the General Manager to execute a contract with American Restore for Materials Recovery Facility (MRF) Tip Floor Concrete and Asphalt Repair in the amount of \$120,773.

BACKGROUND

The paved surface that customers unload their materials onto at the MRF is known as the "tip floor". At the MRWMD MRF portions of the tip floor are made of asphalt and concrete pavements. The original MRF tip floor was installed with the original MRF in 1996. Since then decades of customers have dropped their loads on its surface and MRWMDs equipment has manipulated the material on the tip floor to feed it into the sorting equipment. This manipulation includes pushing the loads across the tip floor where they can be loaded onto the sorting line by an excavator.

The 25 years the pushing of materials across the tip floor has worn down its surface and exposed areas of rebar. This wear is particularly severe on the north side of the MRF where it interfaces with the asphalt pavement. The area has worn down 4" lower than surrounding areas.



DISCUSSION

Exposure of the tip floor rebar and wearing of the surface has the following negative impacts

1. Weakens the strength of a concrete slab that sees heavy equipment traffic
2. Creates an uneven working surface for staff to push materials
3. Creates trip hazards for staff and customers
4. Accelerates deterioration of tip floor due to uneven areas
5. Makes areas of the tip floor unusable until repairs are made

This repair work is focused on the north side of the MRF where the asphalt pavement meets the concrete pavement. The work includes cutting out both the concrete and asphalt pavement sides and building them back up with more durable materials. Operationally staff has installed a rubber “shoe” on the edges of the loaders to reduce wear on the tip floors.

FINANCIAL IMPACT

The budget proposal provided by American Restore for the MRF Tip Floor Concrete and Asphalt Repair is \$120,773 for the scope of work. This was not included in the 2020/21 budget amount. However, adjustments will be made to incorporate it under the \$5.7 million Capital Improvement Budget for FY 2020/21.

STRATEGIC PLAN

MRF Tip Floor Concrete and Asphalt Repair Improvements fit under several general policy directives cited in the District’s “Pillars of Sustainability” plan.

- People. The improvements provide MRF maintenance staff with the infrastructure they need to do their job. The improved tip floor will enable staff to utilize the full tip floor without the hindrance of damaged areas.
- Finance. The improvements will enable the existing tip floor to last longer and provide many more years of service.

CONCLUSION

The MRF Tip Floor Concrete and Asphalt Repair will have multiple benefits to the District’s staff and financials. This involves greater safety, efficiency of operations on the tip floor at the MRF. Staff therefore recommends the Board authorize the General Manager to execute a contract for MRF Maintenance Access Improvements with American Restore for \$120,773.



David Ramirez, P.E.

Attachments:

American Restore Quote

15552 Commerce Lane
Huntington Beach, CA 92649



Lic. No. 976449
Ph: (714) 893-9080
Fax: (714) 891-1658

PROPOSAL

PROPOSAL SUBMITTED TO:

NAME: David Ramirez
POSITION: Project Engineer
COMPANY: Monterey Regional Waste Management District
ADDRESS: 14201 Del Monte Blvd.
P.O. Box 1670 Monterey County 93933-1670
CELL: (831) 261-2153
PHONE: (213) 847-2700
FAX: -
EMAIL: dramirez@mrwmd.org

PROJECT INFORMATION:

PROJECT NAME: Monterey County Concrete-Asphalt Termination Repair
JOB ADDRESS: 14201 Del Monte Blvd.
P.O. Box 1670 Monterey County 93933-1670
PROPOSAL DATE: July 22, 2020

Attn: David Ramirez

We hereby propose to furnish materials and labor necessary for the completion of the following:

LOCATIONS:

EucoFloor 404 Based on 6' x 78' SF Approximately 465 SF @ 6"-1-1/2"

Asphalt Repair Based on 6' x 78' SF Approximately 465 SF @ 6"-2"

SCOPE OF WORK:

Installation of EucoFloor 404 as Follows:

- The volume of material included in this primary bid will cover 465 square feet from approximately 6" to 1-1/2. (Including waste and overages)
- Mobilize and set up.
- Saw cut perimeter at repair area and chip to create key at all termination points for new flooring system.
- Chain drag existing slab to sound and remove any loose, fractured or questionable materials.
- Scabble area as required to remove any fractured aggregate.
- Shotblast as required to remove any surface laitance and create CSP bond profile recommended by manufacturer.
- Drill holes where required and set chairs in locations to set screed system to specified thickness.
- Mix and place two-component medium viscosity 100% solids epoxy bonding agent.
- Mix, place and finish Eucofloor floor topping system onsite.
- Re-establish control joints as required and install control joints where required.
- Install sealing/cure compound to hydrate topping and control loss of moisture throughout.



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- l. Install polyethylene curing cover for optimal hydration wet cure process reducing permeability of concrete
- m. Clean up and demobilize.

Installation of Asphalt Over Existing as Follows:

- a. Mobilize and set up.
- b. Remove perimeter asphalt to create key at all termination points for new asphalt overlay.
- c. Shotblast existing asphalt to create bonding profile.
- d. Prime existing asphalt area to be overlaid.
- e. Pour asphalt to approximate thickness of 6" to 2" and finish with heavy roll.
- f. Final clean up and demobilize.

***Notes:**

- Pricing based on weekend installation (Friday-Saturday)
- Pricing is based on regular prevailing wage requirements. Skilled and Trained Workforce of AB 3018 is excluded

INCLUSIONS:

- 1 - All necessary equipment
- 2 - All OSHA required safety equipment
- 3 - Daily site cleanup
- 4 - Price based on 1 consecutive move in
- 5 - Weekend Work, Installation from Friday -Sunday
- 6 - Based upon 2020 Prevailing Wage Rates

EXCLUSIONS/TO BE PROVIDED BY OTHERS:

- 1 - 110V standard power supply within 100 ft. of work area
- 2 - Access to work area
- 3 - Area free from all moveable equipment and trades
- 4 - Onsite dumpster
- 5 - Minimum 1-1/2" water source within 100 ft. of work area
- 6 - Removal of obstructions to work area
- 7 - Surface to be provided in sound, dry and clean condition
- 8 - Unseen damage to substructure
- 9 - We exclude all plans, permits, fees, testing, inspections, surveys, bonds and engineering.
- 10 - Excludes the Skilled and Trained Workforce requirements of AB 3018

GENERAL NOTES:



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- 1 - American Restore, Inc. is not responsible for damage to installed systems due to abnormal wear, natural disasters, vandalism or excessive use
- 2 - Any unforeseen complications not resolved in this contract will be negotiated at the time of discovery
- 3 - Area to be free of all traffic and activity during the installation and for a twelve-hour period after it is completed
- 4 - California Civil Code Sections 3097 and 3098 require a Contractor providing over \$1,000.00 work on a structure to file a Preliminary Notice Accordingly, American Restore, Inc. will need preliminary notice information upon acceptance of this proposal before work commences
- 5 - Cementious product proposed has 2-3 week lead time for delivery
- 6 - Existing slope of subsurface to prevail
- 7 - Price based on 1 consecutive move in
- 8 - Price based on current prevailing pay rates
- 9 - There shall be provided to us at no expense the use of water, lights, warm and dry protected storage and suitable electric power required for proper execution of our work
- 10 - This proposal becomes a part of any future contracts or agreements
- 11 - Work to be completed over 3 days onsite, not including weather delays or delays due to owner request. Per weekend
- 12 - Minimum 1-1/2" water source within 100 ft. of work area



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PAYMENT TERMS:

- 10% Deposit Prior Mobilization
- Weekly Billings Based on Progress

PRICING:

We Propose hereby to furnish all material and labor in order to complete the above scope of work, for the sum of:

Eight Hundred Twenty Eight Thousand Eight Hundred Thirteen

TOTAL: \$120,773.00

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

CALIFORNIA ONLY:

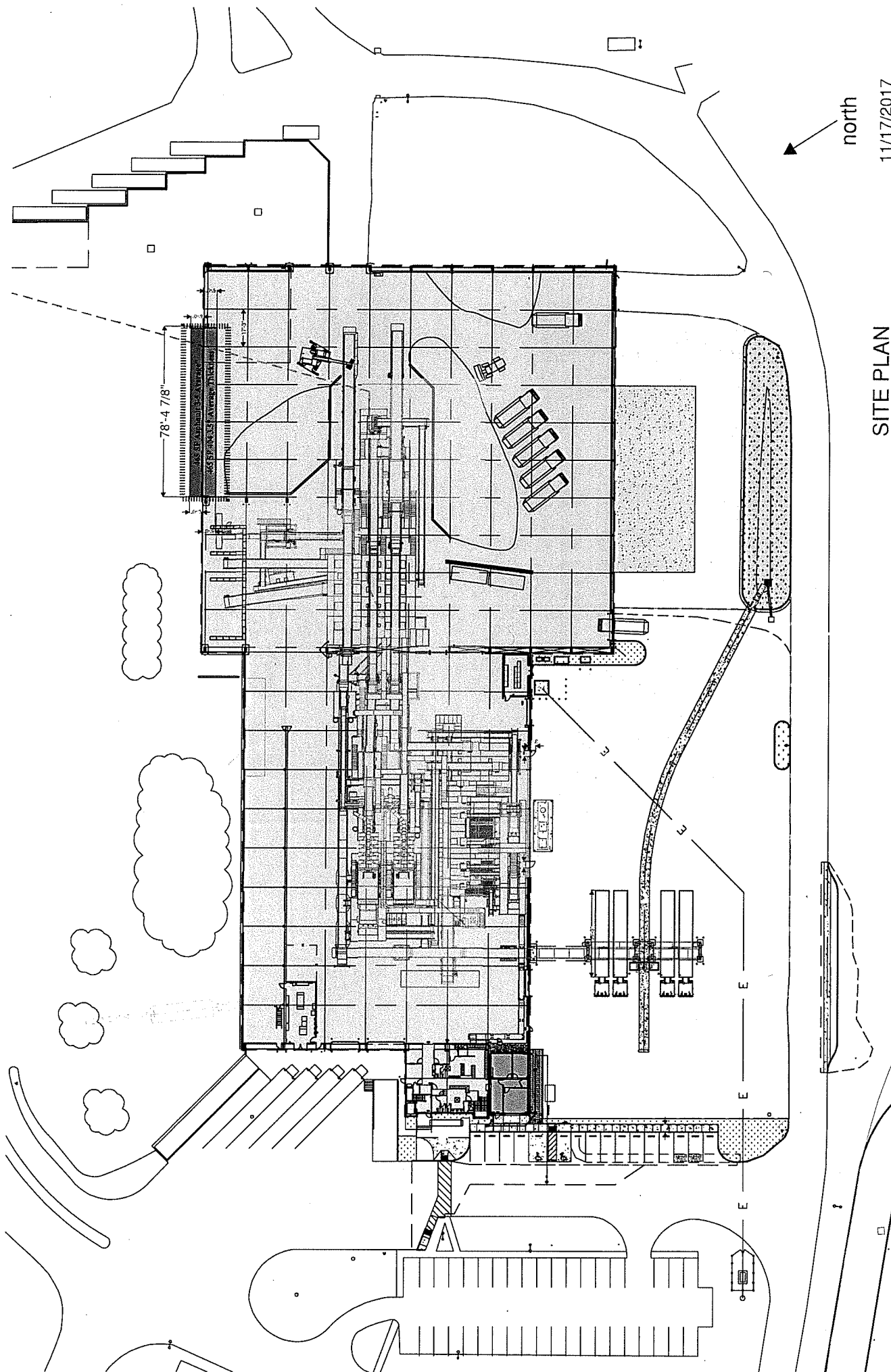
NOTICE TO OWNER: Contractors are required by law to be licensed and regulated by the contractors' state license board. Any Questions concerning a contractor may be referred to the registrar of the board whose address is: Contractors' State License Board, 3132 Bradshaw Rd., Sacramento, CA 95827.

AUTHORIZED
SIGNATURE_____
Jim Andrews - PresidentNOTE: This proposal may be withdrawn by us if not
accepted within: 30 days

ACCEPTANCE OF THIS PROPOSAL constitutes a contract. The above prices, specifications and conditions are satisfactory and hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. We agree to pay the amount of the contract based on the terms above. We further agree to pay reasonable attorney or collection agency fees together with all court costs should it be necessary for the company to retain the services of an attorney or collection agency.

Legal Owner Information (if different from contract holder)

SIGNATURE_____
NAME_____
TITLE_____
NAME_____
ADDRESS_____
PHONE_____
DATE



north
11/17/2017

SITE PLAN
SCALE: 1"=20'-0"
(WHEN PRINTED 30X42)